



Homework solutions 1



Homework

1. Figure out what distribution of Python you plan to use
2. Have it installed
3. Figure out what editor/IDE you want to use
4. Have it installed




Homework

- What is the difference between these three statements?


```
A = 1
A = 1.0
A = "1"
```
- Is there a difference between any of these:



```
B = 'a string'
B = "a string"
B = """a string"""
```
- Where can you find more information on the routines associated with strings listed on slide #9?



Homework

- What is the difference between these three statements?

A = 1	Creates an integer
A = 1.0	Creates a float
A = "1"	Creates a string



Homework

- Is there a difference between any of these:
`B = 'a string'`
`B = "a string"`
`B = """a string"""`

There is no difference. They all create exactly the same string



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Homework

- Where can you find more information on the routines associated with strings listed on slide #9?

A good place to start is <http://docs.python.org/>

Then go to the Python Standard Library

Finally, go to Built-In types/str (Sequence types): 5.6.1 documents the str functions (methods)

Google with "python str functions" gets you close



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Homework

- Specify the data types of the following values:

Tuple	<code>(1,2,3)</code>	
List	<code>[2,3,4]</code>	
String	<code>'To be, or not to be'</code>	
Tuple	<code>'To be', 'or not to be'</code>	
Tuple	<code>('To be', 'or not to be')</code>	
Dict	<code>{2:3, 3:4}</code>	
List	<code>[3, (1,2), 4]</code>	List containing two int's and a tuple)

```
>>> a = [3,(1,2),4]
>>> type(a)
<type 'list'>
>>> type(a[0])
<type 'int'>
>>> type(a[1])
<type 'tuple'>
>>> type(a[2])
<type 'int'>
```



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